United States Department of Agriculture | Forest Service | Northeastern Area State & Private Forestry | 180 Canfield Street Morgantown, WV 26505-3101

File Code: 3410 (NA-09-12)
Date: October 2, 2009

Subject: 2009 Hemlock Woolly Adelgid Detection Survey Results

To: Leanne Marten, Forest Supervisor
Allegheny National Forest

Starting in June of 2009, Forest personnel conducted a hemlock woolly adelgid detection survey of 70 hemlock stands totaling 10,346 acres on the Allegheny National Forest (ANF). No signs of the hemlock woolly adelgid were detected. However, the presence of hemlock woolly adelgid especially in its early stage of infestation is extremely difficult to detect. The accompanying table and map show the locations of this year's survey.

The hemlock woolly adelgid, *Adelges tsugae* (HWA), was introduced into the Eastern United States from Asia in the early 1950s near Richmond, Virginia. The adelgid was present on exotic trees that a private collector planted in his arboretum. The distribution of the HWA remained localized for the next decade. Since the 1960s the population has spread throughout the Northeastern United States. In 2005, HWA was reported in Elk County (Benezette Township) approximately 25 miles from the Allegheny National Forest (for more information please visit: http://www.dcnr.state.pa.us/forestry/leaflets/fpmnews-sep05.pdf).

The impact of HWA on eastern hemlock (*Tsuga canadensis*) is severe; significant tree mortality usually occurs within 4 to 7 years after infestation. This insect not only threatens the hemlock resource but the unique ecosystem it creates. The ANF should be planning for the arrival of the HWA. Forest Health Protection staff can assist the forest in the development of these plans. It is recommended that the ANF begin these discussions and layout a strategy for dealing with this exotic insect before it is detected.

Even though HWA has not been detected on the forest, it is important that field-going personnel continually monitor for evidence of HWA and report this information to the Morgantown Field Office. As part of our continuing monitoring efforts for next year, we plan to visit sites that have the highest likelihood of becoming infested. These areas will include campgrounds, trailheads, and other highly visited areas.

I personally would also like to extend my appreciation to Eric Monger and Taylor Freeman for their valuable assistance with this survey. If you or any of your staff have any questions or comments regarding this survey, please contact Rick Turcotte at (304) 285–1503.
Sincerely,

Robert Lueckel

Field Representative
Morgantown Field Office

Cc: District Ranger, Bradford RD
District Ranger, Marienville/Ridgeway RD
Andrea Hille, Forest Silviculturist

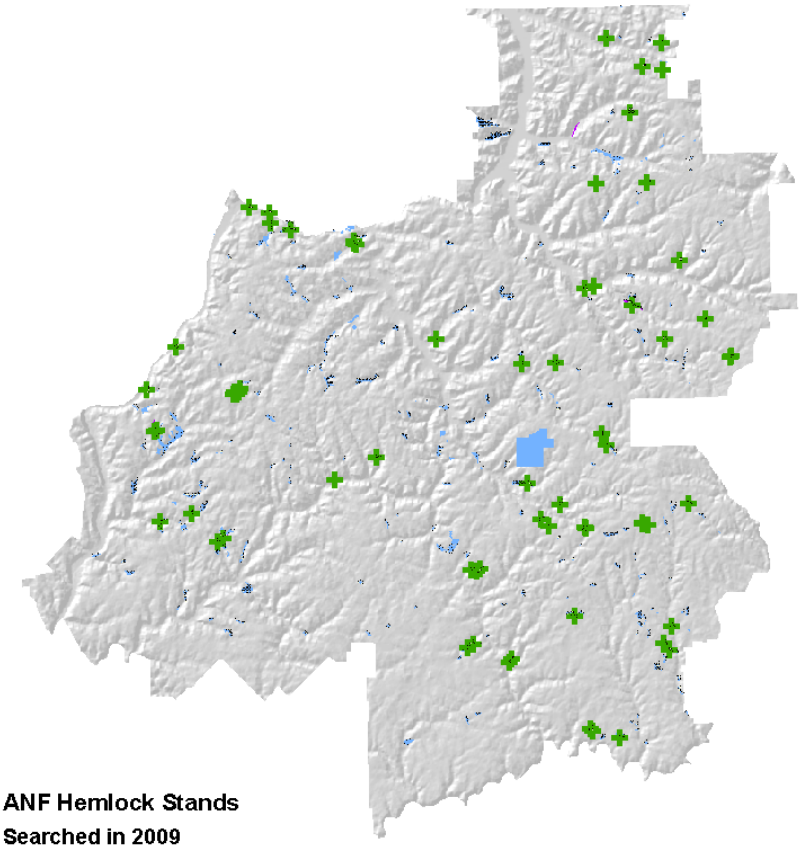
RMT/AKS

Table 1. ***Allegheny National Forest hemlock stand survey information, June to August 2009.***

DISTRICT	COMPARTMENT	STAND	LOCATION	Sampled					
				FY04	FY05	FY06	FY07	FY08	FY09
Brad	202	5	Camp Birdsell Edey	No	No	No	No	Yes	Yes
Brad	205	33	Grunder Run	Yes	Yes	No	No	Yes	No
Brad	206	15	Camp Birdsell Edey/ Grunder Run	No	No	Yes	No	Yes	Yes
Brad	206	16	Camp Birdsell Edey/ Grunder Run	No	No	No	No	Yes	Yes
Brad	207	1	Meade Island	No	No	No	No	Yes	Yes
Brad	209	11	SR6/ Morrison Run	Yes	No	Yes	No	Yes	Yes
Brad	209	16	SR6/ Morrison Run	Yes	No	No	No	Yes	Yes
Brad	209	44	SR6/ Morrison Run	Yes	Yes	Yes	No	Yes	Yes
Brad	229	36	Ruchers Mills	Yes	Yes	Yes	No	Yes	No
Brad	230	47	SR2006/ Tionesta	Yes	Yes	Yes	No	Yes	No
Brad	278	11	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	278	19	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	279	2	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	279	33	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	281	20	SR 67/ Stewards Island	Yes	No	No	No	Yes	Yes
Brad	283	12	SR 62	No	Yes	No	No	Yes	Yes
Brad	287	2	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	287	18	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	287	19	Hearts Content	No	No	Yes	Yes	Yes	Yes
Brad	300	11	N Country National Trail	No	No	No	No	Yes	No
Brad	301	23	SR 948	Yes	Yes	Yes	No	Yes	No
Brad	302	14	Henrys Mills	Yes	Yes	Yes	No	Yes	No
Brad	310	19	SR 948	Yes	Yes	Yes	No	Yes	No
Brad	315	28	Sheriff Run	No	No	No	No	Yes	Yes
Brad	317	55	Minister Creek	No	No	Yes	Yes	Yes	Yes
Brad	327	11	McKean Corners	Yes	Yes	No	No	Yes	Yes
Brad	327	12	McKean Corners	No	No	Yes	No	Yes	Yes
Brad	328	55	McKean Corners	No	No	Yes	No	Yes	Yes
Brad	346	9	Rena Run	No	No	No	Yes	Yes	No
Brad	349	13	SR666/Beaver	No	No	Yes	No	Yes	Yes
Brad	350	4	Yellow Hammer	No	No	Yes	No	Yes	Yes
Brad	352	8	Balltown/ West Run	No	No	Yes	No	Yes	Yes
Brad	353	39	Balltown/ West Run	No	No	Yes	No	Yes	Yes
Brad	354	43	Kellettville N	No	No	No	No	Yes	No
Brad	356	14	Saybrook	No	No	No	No	Yes	Yes
Brad	403	51	SR 346/ Packet Run	No	No	No	No	Yes	Yes
Brad	408	32	Stickney / SR 436	No	No	No	No	Yes	Yes
Brad	426	21	SR 346/ Porter Hollow	Yes	Yes	Yes	No	Yes	Yes
Brad	428	2	SR 346/ Porter Hollow	No	No	No	No	Yes	Yes
Brad	431	8	SR321/ N Branch	Yes	Yes	Yes	Yes	Yes	Yes
Brad	432	10	Shingie Mill Hollow	No	No	No	No	Yes	Yes
Brad	440	45	Marshburg	Yes	Yes	Yes	No	Yes	No
Brad	442	21	Sugar Bay	No	No	No	No	Yes	No

Brad	445	3	SR 321	Yes	Yes	Yes	No	Yes	No
Brad	454	49	SR 59/ Hemlock Run	No	No	No	No	Yes	Yes
Brad	455	15	SR 59 /Klondike	No	No	No	No	Yes	Yes
Brad	461	8	Thunder Tower Run	No	No	No	No	Yes	Yes
Brad	476	2	Longhouse Trailhead	No	Yes	No	Yes	Yes	Yes
Brad	476	17	Reservoir	No	No	No	No	Yes	Yes
Brad	478	21	Windell Run	Yes	Yes	Yes	No	Yes	No
Brad	480	33	Meade Run	No	No	No	No	Yes	Yes
Brad	483	39	Meade Run	No	No	Yes	No	Yes	Yes
Brad	490	31	Kinzua Bay	Yes	Yes	No	No	Yes	No
Mar	607	5	Little Hickory	No	No	No	No	Yes	No
Mar	618	35	Ross Creek	No	No	No	No	Yes	No
Mar	644	37	Seldom Seen Cornors	Yes	Yes	Yes	No	Yes	No
Mar	681	17	Kelly Pines CG	No	No	Yes	Yes	Yes	Yes
Mar	681	23	Kelly Pines CG	No	No	No	Yes	Yes	Yes
Mar	696	3	Raven Run Picnic	No	No	No	No	Yes	Yes
Mar	696	30	Raven Run Picnic	No	No	No	No	Yes	Yes
Mar	700	87	Rappe Run/ATV trailhead	No	Yes	No	No	Yes	Yes
Mar	700	88	Rappe Run/ATV trailhead	No	Yes	No	No	Yes	Yes
Mar	701	49	Rappe Run/ATV trailhead	No	Yes	No	No	Yes	Yes
Mar	703	5	SR66	No	Yes	No	No	Yes	No
Mar	703	56	SR 66	No	Yes	No	No	Yes	No
Mar	805	65		No	Yes	No	No	Yes	Yes
Mar	810	14	SR6/ Kinsua Creek	No	Yes	No	No	Yes	Yes
Mar	811	4	SR6/ Kinsua Creek	No	Yes	No	No	Yes	Yes
Mar	820	41	SR 6	No	No	No	No	Yes	Yes
Mar	820	51	SR 6/ Wetmore	Yes	Yes	Yes	No	Yes	No
Mar	822	32	Hoffman Farm	No	No	No	No	Yes	Yes
Mar	824	27	Tionest Trailhead	Yes	Yes	Yes	No	Yes	No
Mar	830	3	East/West Branch Tionasta Creek	No	No	No	No	Yes	Yes
Mar	830	47	East/West Branch Tionasta Creek	No	No	No	No	Yes	Yes
Mar	832	20	Twin Lakes Hiking	Yes	Yes	No	No	Yes	Yes
Mar	832	23	Twin Lakes Hiking	Yes	Yes	No	No	Yes	Yes
Mar	843	38	Twin Lakes Hiking/Wolf Creek	No	No	Yes	No	Yes	No
Mar	843	39	Twin Lakes Hiking/Wolf Creek	No	No	Yes	No	Yes	No
Mar	843	42	Twin Lakes Hiking/Wolf Creek	No	No	Yes	No	Yes	Yes
Mar	846	22	SR948	Yes	Yes	Yes	No	Yes	Yes
Mar	846	25	SR948	No	Yes	No	No	Yes	Yes
Mar	848	14	SR66 & SR948	No	Yes	No	No	Yes	Yes
Mar	848	87	SR66 & SR948	No	Yes	No	No	Yes	Yes
Mar	851	7	Carlson	No	Yes	No	No	Yes	Yes
Mar	852	6	Wolf Run	No	No	No	No	Yes	Yes
Mar	857	1	Carlson	No	Yes	No	No	Yes	Yes
Mar	857	9	Carlson	No	No	No	No	Yes	Yes
Mar	863	19	Timberline	No	No	Yes	No	Yes	No
Mar	870	24	Red Mill CG	No	Yes	Yes	Yes	Yes	Yes

Mar	870	53	N Red Mill CG	No	No	No	Yes	Yes	No
Mar	870	56	N Red Mill CG	No	No	No	Yes	Yes	No
Mar	879	9	Timberline ATV/Red Lick	No	No	No	No	Yes	No
Mar	885	62	Big Mill Creek	No	No	No	No	Yes	Yes
Mar	889	34	Timberline ATV/Red Lick	Yes	Yes	Yes	No	Yes	Yes
Mar	897	1	Big Mill Creek	No	No	No	No	Yes	Yes
Mar	906	85	Little Drummer / ESP307	Yes	Yes	No	Yes	Yes	Yes
Mar	906	90	Little Drummer /ESP307	No	Yes	No	No	Yes	Yes
Mar	907	48	ESP 307	Yes	Yes	Yes	No	Yes	Yes
Mar	907	65	Bear Creek	No	No	No	No	Yes	No
Mar	908	69	ESP 307/ Little Bear	Yes	Yes	Yes	No	Yes	No
Mar	909	59	Ridgway Res	Yes	Yes	No	No	Yes	No



HWA Survey Sites

- No HWA Found
- HWA Present
- Visit/not searched

ANF Hemlock Stands Searched in 2009

- No
- Yes

AKS 10/5/09